

**IN THE CLAIMS**

A clean version of the claims is as follows:

6. A magnetizer for magnetizing a circular magnet with a null zone intermediate alternating poles comprising a circular insulating core supporting pairs of axially directed wires, each pair of wires adapted to carry current in the same axial direction, and a back iron radially spaced from said core by a sufficient radial gap to allow said magnet to be magnetized to slip into said radial gap, the flux being shaped to create alternating magnetic poles separated by a null zone around said magnet.
7. A magnetizer as claimed in Claim 6 wherein said gap is of sufficient radial extent that a portion of said gap remains open when said magnet is inserted so that said transition zone of said magnet is softened.
8. A magnetizer for magnetizing a magnet with null zones intermediate alternating poles comprising  
means for supporting said magnet in said magnetizer and  
conductive means for creating a flux path through said magnet which establishes said null zones in said magnet.
9. A magnetizer as in claim 6, adjacent pairs of wires carrying current in opposite directions.